

I CLAIM:

1. A sewing apparatus comprising:
  - a sewing mechanism in which a thread is used;
  - 5 a cassette mount to which a thread cassette holding the thread used in the sewing mechanism is detachably attached;
  - a determining unit determining a type of the thread cassette attached to the cassette mount; and
  - 10 a control device controlling the sewing mechanism according to the type of the thread cassette determined by the determining unit.
2. A sewing apparatus according to claim 1, further comprising an adjuster adjusting a thread tension of the thread supplied from the thread cassette attached to the cassette mount, wherein the control device controls
  - 15 the adjuster according to the type of the thread cassette determined by the determining unit.
3. A sewing apparatus according to claim 1, wherein the sewing mechanism includes a feeder for feeding a piece of cloth to be sewn and a
  - 20 needle swinging unit which swings a sewing needle horizontally, wherein the control device controls at least one of an amount of feed by the feeder and an amount of swing by the needle swinging unit according to the type of the thread cassette determined by the determining unit.
- 25 4. A sewing apparatus according to claim 1, further comprising a selector selecting one of a plurality of types of sewing modes performed by the sewing mechanism, wherein the control device controls the sewing mechanism according to the type of sewing mode selected by the selector

and the type of thread cassette determined by the determining unit.

5. A sewing apparatus according to claim 1, wherein the thread cassette includes a first cassette used in a normal sewing in which a cloth is moved by a feed dog and a second cassette used in an embroidering in which an embroidery frame is used to move a cloth, wherein the determining unit determines which the thread cassette attached to the cassette mount is, the first cassette or the second cassette, and the control device controls the sewing mechanism so that the sewing mechanism sews the cloth moved by the feed dog, when the determining unit determines that the thread cassette is the first cassette and so that the sewing mechanism sews the cloth moved by the embroidery frame, when the determining unit determines that the thread cassette is the second cassette.

15 6. A sewing apparatus according to claim 5, wherein the control device controls an amount of movement of the cloth moved by the feed dog when the sewing mechanism sews the cloth moved by the feed dog, and the control device controls an amount of movement of the cloth by the embroidery frame when the sewing mechanism sews the cloth moved by the embroidery frame.

7. A sewing apparatus according to claim 1, wherein the thread cassette includes a first cassette used in a normal sewing in which a cloth is moved by a feed dog and a second cassette used in an embroidering in which an embroidery frame is used to move a cloth, wherein the determining unit has a plurality of determining members including at least a part used to determine which the thread cassette attached to the cassette mount is, the first cassette or the second cassette, said plurality of the determining

members including the other part further including at least a part used to determine at least one of a material of the thread and a length of the thread regarding the thread cassette for the normal sewing and further used to determine a thread color regarding the thread cassette for the embroidering.

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8. A sewing apparatus according to claim 1, wherein the determining unit detects the thread cassette attached to the cassette mount.

9. A sewing apparatus according to claim 8, wherein the control device disallows the sewing mechanism to start when the thread cassette having been attached to the cassette mount is undetected.

10. A sewing apparatus comprising:  
a sewing mechanism in which a thread is used;  
15 an informing unit informing of the sewing mechanism;  
a cassette mount to which a thread cassette holding the thread used in the sewing mechanism is detachably attached;  
a determining unit determining a type of the thread cassette attached to the cassette mount; and  
20 a control device controlling the sewing mechanism according to the type of the thread cassette determined by the determining unit.

11. A sewing apparatus according to claim 10, wherein the thread cassette includes a first cassette used in a normal sewing in which a cloth is moved by a feed dog and a second cassette used in an embroidering in which an embroidery frame is used to move a cloth, wherein the determining unit determines which the thread cassette attached to the cassette mount is, the first cassette or the second cassette, and the control device controls the

informing unit so that the informing unit informs of sewing in which the cloth is moved by the feed dog, when the thread cassette attached to the cassette mount is the first cassette, the control device further controlling the informing unit so that the informing unit informs of sewing in which the cloth  
5 is moved by the embroidery frame, when the thread cassette attached to the cassette mount is the second cassette.

12. A sewing apparatus according to claim 11, wherein informing of sewing in which the cloth is moved by the feed dog includes informing of a  
10 sewing manner using the feed dog, and informing of sewing in which the cloth is moved by the embroidery frame includes informing of an embroidery pattern formed using the embroidery frame.

13. A sewing machine according to claim 10, further comprising a  
15 detector detecting an embroidering unit detachably attached to the sewing machine, wherein the thread cassette includes a first cassette used in a normal sewing in which a cloth is moved by a feed dog and a second cassette used in an embroidering in which an embroidery frame is used to move a cloth, and the control device controls the informing unit so that the informing  
20 unit carries out a predetermined informing operation regarding replacement of the thread cassette or attachment and detachment of the embroidering unit when the thread cassette attached to the cassette mount is the first cassette.

25 15. A thread cassette holding a thread supplied to a sewing mechanism of a sewing apparatus, comprising a determination portion which allows the determining unit to determine a type of a thread held.

16. A control program for a sewing apparatus including a sewing mechanism performing a sewing operation, a cassette mount to which a thread cassette holding a thread used in the sewing mechanism is detachably attached, and a determining unit determining a type of the thread cassette

5 attached to the cassette mount, said control program operating a computer controlling the sewing machine as a control device controlling the sewing mechanism according to the type of the thread cassette determined by the determining unit.